

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200624

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Set	Items	Description
S1	665092	POINTER? ? OR ID? ? OR IDENTIFIER? ? OR IDENTIFICATION OR - ADDRESS??? OR LABEL? ? OR DESCRIPTOR? ? OR DESIGNATION? ? OR - DESIGNATOR? ?
S2	16437	S1(7N)(PORT? ? OR INTERFACE? ? OR SOCKET? ? OR ADAPTER? ? - OR ADAPTOR? ? OR CONNECTOR? ? OR PLUG? ? OR JACK? ?)
S3	49189	(EXIT OR TERMINAT??? OR EDGE OR BOUNDARY OR ENTRY OR ENTER- ??? OR ADMIT? OR ADMISSION OR ACCESS)(1W)(POINT? ? OR NODE? ? OR ELEMENT? ? OR UNIT? ? OR DEVICE? ? OR GATEWAY? ? OR ROUTER? ? OR SWITCH? ? OR TERMINAL? ? OR SERVER? ?)
S4	6305	(EXIT OR TERMINAT??? OR EDGE OR BOUNDARY OR ENTRY OR ENTER- ??? OR ADMIT? OR ADMISSION OR ACCESS)(1W)(PC? ? OR COMPUTER? ? OR EQUIPMENT? ? OR BOX?? OR HARDWARE OR MACHINE)
S5	2743	S1(7N)S3:S4
S6	8273	(INCOMPLETE OR UNFINISHED OR PARTIAL OR BROKEN OR DESTROYED OR LOST OR DISABLED OR UNAVAILABLE OR FAILED OR INVALID OR F- ALSE OR EMPTY OR VACANT)(5N)(PATH? ? OR PATHWAY? ? OR CONDUIT? ? OR TRAIL? ? OR LINK? ? OR CHANNEL? ? OR TUNNEL? ? OR PASSA- GE? ?)
S7	966	(INCOMPLETE OR UNFINISHED OR PARTIAL OR BROKEN OR DESTROYED OR LOST OR DISABLED OR UNAVAILABLE OR FAILED OR INVALID OR F- ALSE OR EMPTY OR VACANT)(5N)(PASSAGEWAY? ? OR ROUTE? ? OR COU- RSE? ?)
S8	210423	(TRAFFIC OR FLOW OR MESSAGE OR PACKET? ? OR FRAME? ? OR NE- TWORK)(5N)(CAPABILIT??? OR ABILIT??? OR SLA OR SERVICE)(LEVEL- (AGREEMENT? ? OR CAPACITY OR BANDWIDTH OR BAND(WIDTH OR CON- GESTION OR LATENCY OR RATE OR DATARATE OR SPEED)
S9	0	S2 AND S5 AND S6:S7 AND S8
S10	0	S2 AND S5 AND S6:S7
S11	6	S2 AND S5 AND S8
S12	0	S2 AND S3:S4 AND S6:S7 AND S8
S13	0	S2 AND S3:S4 AND S6:S7
S14	2	S5 AND S6:S7 AND S8
S15	8	S11 OR S14

15/5/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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017238892 **Image available**

WPI Acc No: 2005-562518/200557

XRPX Acc No: N05-461171

Multi-protocol label switching edge router for internet, has label information table storage unit to store information to route label packet to internet protocol network and interface information to transmit packet to nexthop

Patent Assignee: CHOE B (CHOE-I); KIM J (KIMJ-I); PARK Y (PARK-I)

Inventor: CHOE B; KIM J; PARK Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050169264	A1	20050804	US 200420128	A	20041227	200557 B

Priority Applications (No Type Date): KR 20045857 A 20040129

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20050169264	A1	20	H04L-012/56	

Abstract (Basic): US 20050169264 A1

NOVELTY - The router has a label information table storage unit (808) to store nexthop information to route a label packet to an internet protocol (IP) network and interface information to transmit the packet to a nexthop. A multi-protocol label switching forwarding engine deletes a label by accessing the storage unit and searching the interface information. An IP packet is transmitted to an **interface** on receiving the **label** packet.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(A) a method of controlling a multi-protocol **label** switching **edge router**

(B) a program storage device with a program of instructions executable by the machine to perform a method of controlling a multi-protocol **label** switching **edge router**

USE - Used in an internet for operating an interior gateway protocol and a border gateway protocol.

ADVANTAGE - The label information table storage unit stores nexthop information to route the label packet to the internet protocol (IP) network and **interface** information to transmit the **label** packet to the nexthop, thus reducing multiple look-up loading on transmitting the label packet to the IP network. The router thus reduces delay in a real **packet** transfer and achieves high **speed packet** switching of a multiprotocol label switching.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of a multiprotocol label switching forwarding engine.

Packet reception unit (801)

Forwarding control unit (802)

Packet transmission unit (803)

Out segment table search unit (806)

Label information table storage unit (808)

pp; 20 DwgNo 8/9

Title Terms: MULTI; PROTOCOL; LABEL; SWITCH; EDGE; ROUTER; LABEL; INFORMATION; TABLE; STORAGE; UNIT; STORAGE; INFORMATION; ROUTE; LABEL; PACKET; PROTOCOL; NETWORK; INTERFACE; INFORMATION; TRANSMIT; PACKET

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/56

File Segment: EPI

15/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016709867 **Image available**
WPI Acc No: 2005-034142/200504
XRXPX Acc No: N05-029883

Wireless payment system in e.g. parking lot, acquires individual identification from vehicle equipment and permits approach of vehicle without waiting for credit determination result from center apparatus, when vehicle is at inlet port

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)
Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2004348321	A	20041209	JP 2003143036	A	20030521	200504 B

Priority Applications (No Type Date): JP 2003143036 A 20030521

Patent Details:

Patent No	Kind	Lat	Pg	Main IPC	Filing Notes
JP 2004348321	A	13		G07B-015/00	

Abstract (Basic): JP 2004348321 A

NOVELTY - An **inlet port** roadside machine (100) acquires individual **identification** (**ID**) from vehicle equipment (500) and permits approach of a vehicle (400) without waiting for credit determination result from a center apparatus (300); when vehicle is at the **inlet port**. when vehicle approaches the exit, **ID** is acquired again by an **exit roadside machine** (200). Payment is determined based on individual **ID** and credit determination result.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for roadside machine for wireless payment.

USE - For charge payment for parking lot, toll road, petrol refuel station.

ADVANTAGE - **Traffic congestion** is prevented as there is no need to wait at the entrance for credit determination result.

DESCRIPTION OF DRAWING(S) - The figure shows a conceptual diagram of the wireless payment system. (Drawing includes non-English Language text).

inlet port roadside machine (100)
exit roadside machine (200)
center apparatus (300)
vehicle (400)
vehicle equipment (500)
pp; 13 DwgNo 1/7

Title Terms: WIRELESS; PAY; SYSTEM; PARK; LOT; ACQUIRE; INDIVIDUAL; IDENTIFY; VEHICLE; EQUIPMENT; PERMIT; APPROACH; VEHICLE; WAIT; CREDIT; DETERMINE; RESULT; APPARATUS; VEHICLE; INLET; PORT

Derwent Class: T04; T05; T07; w02

International Patent Class (Main): G07B-015/00

International Patent Class (Additional): G06F-017/60; G06K-017/00

File Segment: EPI

15/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016198985 **Image available**
WPI Acc No: 2004-356871/200433
XRXPX Acc No: N04-285427

Mobile node enabling method in communication network, involves determining interface identifier associated with new access router and obtaining interface information on new access router from current access router using identifier

Patent Assignee: NOKIA CORP (OYNO); KOODLI R (KOOD-I); PERKINS C E (PERK-I); NOKIA INC (OYNO)

Inventor: KOODLI R; PERKINS C E
Number of Countries: 107 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040092264	A1	20040513	US 2002293952	A	20021112	200433	B
WO 200445081	A2	20040527	WO 2003IB4463	A	20031009	200435	
AU 2003269320	A1	20040603	AU 2003269320	A	20031009	200472	
EP 1561353	A2	20050810	EP 2003751099	A	20031009	200552	
			WO 2003IB4463	A	20031009		

Priority Applications (No Type Date): US 2002293952 A 20021112

Patent Details:

Patent No	Kind	Lat	Pg	Main IPC	Filing Notes
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US 20040092264	A1	8		H04Q-007/20	
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WO 200445081	A2	E		H04B-000/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003269320	A1		H04Q-007/20	Based on patent WO 200445081
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EP 1561353	A2	E	H04Q-007/20	Based on patent WO 200445081
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Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Abstract (Basic): US 20040092264 A1

NOVELTY - An **interface identifier** associated with a new **access router** (NR) is determined. Interface information on the new access router is obtained from the current **access router** (CR) using the determined **identifier**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) system for enabling mobile node; and
(2) method for communicating between mobile node and current access router.

USE - For enabling mobile node such as wireless device in wireless communication network such as internet, to undergo hand-over from current access router (CR) to new access router (NR).

ADVANTAGE - The **capabilities** of the **network** interface are identified before hand-over. Hence efficient hand-over is achieved and the load of the current router is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the **network** interface **capability** acquisition process.

pp; 8 DwgNo 3/3

Title Terms: MOBILE; NODE; ENABLE; METHOD; COMMUNICATE; NETWORK; DETERMINE; INTERFACE; IDENTIFY; ASSOCIATE; NEW; ACCESS; ROUTER; OBTAIN; INTERFACE; INFORMATION; NEW; ACCESS; ROUTER; CURRENT; ACCESS; ROUTER; IDENTIFY

Derwent Class: W01; W02

International Patent Class (Main): H04B-000/00; H04Q-007/20

File Segment: EPI

15/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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015599906 **Image available**

WPI Acc No: 2003-662061/200362

XRPX Acc No: N03-528333

ATM based multi protocol label switching- label edge router system, has input forwarding engines transmitting Internet protocol and switching packets received through line interface modules without being

connected to modules

Patent Assignee: LG ELECTRONICS INC (GLDS)
Inventor: KIM Y; KIM Y G; KIM Y K
Number of Countries: 003 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030128688	A1	20030710	US 2002327909	A	20021226	200362	B
CN 1430389	A	20030716	CN 2002159375	A	20021226	200363	
KR 2003054860	A	20030702	KR 200185291	A	20011226	200377	
KR 411596	B	20031218	KR 200185291	A	20011226	200425	
KR 2004038991	A	20040510	KR 200266599	A	20021030	200459	
CN 1175633	C	20041110	CN 2002159375	A	20021226	200617	

Priority Applications (No Type Date): KR 200266599 A 20021030; KR 200185291 A 20011226

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030128688	A1		20	H04L-012/28	
CN 1430389	A			H04L-012/56	
KR 2003054860	A			H04L-012/28	
KR 411596	B			H04L-012/28	Previous Publ. patent KR 2003054860
KR 2004038991	A			H04L-012/28	
CN 1175633	C			H04L-012/56	

Abstract (Basic): US 20030128688 A1

NOVELTY - The multi protocol **label** switching (MPLS)- **label** **edge router** (LER) system has many line **interfaces** (LIMs) (21-1,21-2) configured to process asynchronous transfer mode (ATM) traffic by matching it with an Internet protocol (IP) equipment and label switching router (LSR). The input forwarding engines (FEs) (22-1,22-2) are configured to transmit IP and MPLS packet received through each LIM without being connected to them.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method for establishing connections of an ATM based MPLS-LER system.

USE - Used for establishing connections in computer networks e.g. Internet.

ADVANTAGE - The MPLS-LER system improves the transmission capability across the network . The FEs limits additional connections that need to be made within the system hence repair and maintenance of the connections can be done easily.

DESCRIPTION OF DRAWING(S) - The drawing illustrates the structure of an ATM based MPLS-LER system.

LIMs (21-1,21-2)

FES. (22-1,22-2)

pp; 20 DwgNo 6/12

Title Terms: ATM; BASED; MULTI; PROTOCOL; LABEL; SWITCH; LABEL; EDGE; ROUTER; SYSTEM; INPUT; FORWARDING; ENGINE; TRANSMIT; PROTOCOL; SWITCH; PACKET; RECEIVE; THROUGH; LINE; INTERFACE; MODULE; CONNECT; MODULE

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/28; H04L-012/56

International Patent Class (Additional): H04L-012/24; H04L-012/26; H04L-029/02

File Segment: EPI

15/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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015255697 **Image available**

WPI Acc No: 2003-316626/200331

Related WPI Acc No: 2003-169774

XRPX Acc No: N03-252172

Image capturing apparatus for trunk road combines single image frames sequentially for viewing and simulation of continuous motion along

selected path

Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: CHEATLE S P; HALL G P; HUNTER A A; POLLARD S B
Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2378605	A	20030212	GB 200214820	A	20020627	200331 B
GB 2378605	B	20031231	GB 200214820	A	20020627	200403

Priority Applications (No Type Date): GB 200116300 A 20010704

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2378605	A	18		H04N-007/18	
GB 2378605	B			H04N-007/18	

Abstract (Basic): GB 2378605 A

NOVELTY - Apparatus comprises image capture devices (10) spaced along routes that may branch, join or cross, means for selecting a navigation path, and means for sequentially combining image frames to simulate motion along the selected navigation path. Further routes can be selected while motion along the **partial navigation path** is being simulated and the user can input path end points. Progress of a person or object along the routes can be tracked and a single image frame captured by a sequence of capture devices is combined sequentially and viewed at a predetermined **frame rate** to simulate continuous motion along the selected navigation path. The frames are interpolated, audio data can be provided, capture devices can be **addressed** independently and a website **access point** (12) can take the frames.

DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS for:

- (1) A route-finding apparatus
- (2) A method of providing an image sequence

USE - Apparatus is for surveillance cameras along trunk roads for monitoring traffic conditions.

ADVANTAGE - Apparatus enables selection of parts of a route and supports arbitrary and unlimited end-to-end navigation. It enables journeys to be planned and rehearsed

DESCRIPTION OF DRAWING(S) - The figure shows the image capture apparatus

image capture devices (10)
website access point (12)
pp; 18 DwgNo 1/1

Title Terms: IMAGE; CAPTURE; APPARATUS; TRUNK; ROAD; COMBINATION; SINGLE; IMAGE; FRAME; SEQUENCE; VIEW; SIMULATE; CONTINUOUS; MOTION; SELECT; PATH

Derwent Class: T07; W02; X22

International Patent Class (Main): H04N-007/18

File Segment: EPI

15/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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014470610 **Image available**

WPI Acc No: 2002-291313/200233

Related WPI Acc No: 2001-607574; 2001-611566; 2001-656881; 2002-010623; 2002-010653; 2002-010654; 2002-238656; 2002-238658; 2002-267472; 2002-280023; 2002-303164; 2002-350881; 2002-434216

XRPX Acc No: N02-227455

Router operating method for network access devices, involves forwarding packet directly to network, and after encapsulation to network, based on comparison of packet source address and subscribers ID address

Patent Assignee: GARRETT J W (GARR-I); KALMANEK C R (KALM-I); MURPHY L E (MURP-I); NGUYEN H Q (NGUY-I); RAMAKRISHNAN K K (RAMA-I)

Inventor: GARRETT J W; KALMANEK C R; MURPHY L E; NGUYEN H Q; RAMAKRISHNAN K K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020016855	A1	20020207	US 2000190633	P	20000320	200233 B
			US 2000190636	P	20000320	
			US 2001812509	A	20010320	

Priority Applications (No Type Date): US 2001812509 A 20010320; US 2000190633 P 20000320; US 2000190636 P 20000320

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020016855	A1	11	G06F-015/173	Provisional application US 2000190633 Provisional application US 2000190636

Abstract (Basic): US 20020016855 A1

NOVELTY - The source address of the incoming packet is compared with the IP addresses allocated to subscribers of services provided by two operating service networks which are interfaced and not **interfaced** with the router respectively. When the **address** matches the address of one of the service network, packet is forwarded to the router in that network, and when the address matches the address of other network, packet is encapsulated and forwarded.

USE - For operating router in network access devices such as personal computer, information appliance, personal digital assistant, data-enabled wireless handset, and also access network architectures such as DSL, wireless, satellite etc.

ADVANTAGE - Since addresses are allocated to network service providers, packets are transmitted from the network access device to appropriate service network. Packets traveling between network access devices connected to the same access network infrastructure, are forwarded directly between the devices in the access **network**, thereby **bandwidth** is reduced. Permits the dynamic allocation, assignment, and reassignment of IP **addresses** to several network **access devices** based on customer subscriptions to particular services. Allows service selection to be implemented without requiring network service providers to connect physical facilities into, for e.g. cable head in HFC based network, thereby cost is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of router processing method.

pp; 11 DwgNo 3/6

Title Terms: ROUTER; OPERATE; METHOD; NETWORK; ACCESS; DEVICE; FORWARDING; PACKET; NETWORK; AFTER; ENCAPSULATE; NETWORK; BASED; COMPARE; PACKET; SOURCE; ADDRESS; SUBSCRIBER; ID; ADDRESS

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/173

International Patent Class (Additional): G06F-015/16

File Segment: EPI

15/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014217843 **Image available**

WPI Acc No: 2002-038541/200205

Parallel process connecting method in atm ultra-high communication network

Patent Assignee: KOREA TELECOM (KOTE-N)

Inventor: HWANG U S; YOON D S; YOON S S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001054219	A	20010702	KR 9954905	A	19991203	200205 B

Priority Applications (No Type Date): KR 9954905 A 19991203

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
KR 2001054219 A 1 H04L-012/28

Abstract (Basic): KR 2001054219 A

NOVELTY - A parallel process connecting method in an ATM ultra-high communication network is provided to heighten the efficiency of a trail connection service by simultaneously transmitting a subnetwork connection operation related to each trail to a corresponding subnetwork managing system and performing a subnetwork connection operation.

DETAILED DESCRIPTION - When a network linking administrating unit(200) receives two points where a trail has been set from a network service system(210). At this time, if the trail to be generated is an internal trail in a virtual path hierarchical network, the point where the link is set is received as a link termination point(LTP). If it is a link between termination points of a network, the point where the trail is set is received as an address recognized by a service user, and an LTP is searched with the address. At this time, the network linking administrating unit(200) recognizes an administration state of the point where the trail is to be set, and determines whether a trail can be set. If a trail can be set, a network linking administrating unit(200) generates a trail module(201), generates a trail ID for the corresponding trail, selects a path satisfying a linking attribute requested by the network service system(210). Then, the network linking administrating unit(200) detects a **partial** network on the linking path module(202) and requests a corresponding **partial** network administrating system(220) to generate a **trail** termination point for linking the **partial** network and the internal **trail**. A **trail** receiving termination module(204) generates a network trail termination point and requests **path** information of the **partial** network linking from the **partial** network administrating system(220). The **partial** network **path** information is received from the **partial** network administrating system(220), a **band width** and virtual path ID or a virtual channel **ID** are allocated to the link **termination point**, and the trail generation and the trail **ID** are inform the network service system(210), so that a loop according to generation of the trail is completed.

pp; 1 DwgNo 1/10

Title Terms: PARALLEL; PROCESS; CONNECT; METHOD; ATM; ULTRA; HIGH;
COMMUNICATE; NETWORK

Derwent Class: W01

International Patent Class (Main): H04L-012/28

File Segment: EPI

15/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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010966586 **Image available**

WPI Acc No: 1996-463535/199646

Related WPI Acc No: 1986-205757; 1992-183297; 1992-383743; 1993-386036;
1995-223977; 1995-320153; 1996-039755; 1997-086969; 1997-201731;
1997-212386; 1998-158987; 1998-413461; 1999-023720; 2000-205094;
2001-406725; 2002-238469; 2002-697551

XRPX Acc No: N96-390407

Memory circuit for setting operation modes - includes read/write access unit which accesses memory in accordance with address data input from address port during second cycles and data for presetting access mode stored in register

Patent Assignee: HITACHI LTD (HITA)

Inventor: AOTSU H; ENOMOTO H; KIMURA K; KYODA T; OGURA T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5548744	A	19960820	US 85779676	A	19850924	199646 B
			US 86864502	A	19860519	
			US 88240380	A	19880829	
			US 89314238	A	19890222	
			US 89349403	A	19890508	
			US 92816583	A	19920103	
			US 9313174	A	19930129	
			US 93123357	A	19930917	
			US 94354934	A	19941212	

Priority Applications (No Type Date): JP 85105845 A 19850520; JP 85105844 A 19850520

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5548744	A	17		G06F-012/00	Cont of application US 85779676 Cont of application US 86864502 Cont of application US 88240380 Cont of application US 89314238 CIP of application US 89349403 Cont of application US 92816583 Cont of application US 9313174 Cont of application US 93123357 Cont of patent US 4868781 Cont of patent US 5113487 CIP of patent US 5175838 Cont of patent US 5265234

Abstract (Basic): US 5548744 A

The apparatus includes an **address port** which inputs data during a second cycle and data for presetting an access mode during a first cycle. A register stores the data for presetting the access mode. A read/write unit access the memory in accordance with **address** data inputted from the **address port** during the second cycle and the data for presetting the access mode stored in the register.

The data is stored in the first register prior to the second cycle during which accesses by the read/write unit to the memory elements are performed. The **address** data is presented onto the **address port** during the second cycle and all of the address data is used for specifying an address location at a memory address during the second cycle. The first cycle does not overlap the second cycle.

USE/ADVANTAGE - For use as **frame** buffer in high **speed** graphic display system. Suitable for multi processor parallel operations.

File 348:EUROPEAN PATENTS 1978-2006/ 200614

(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20060406,UT=20060330

(c) 2006 WIPO/Univentio

Set	Items	Description
S1	707705	POINTER? ? OR ID? ? OR IDENTIFIER? ? OR IDENTIFICATION OR - ADDRESS??? OR LABEL? ? OR DESCRIPTOR? ? OR DESIGNATION? ? OR - DESIGNATOR? ?
S2	41461	S1(7N)(PORT? ? OR INTERFACE? ? OR SOCKET? ? OR ADAPTER? ? - OR ADAPTOR? ? OR CONNECTOR? ? OR PLUG? ? OR JACK? ?)
S3	71457	(EXIT OR TERMINAT??? OR EDGE OR BOUNDARY OR ENTRY OR ENTER- ??? OR ADMIT? OR ADMISSION OR ACCESS)(1W)(POINT? ? OR NODE? ? OR ELEMENT? ? OR UNIT? ? OR DEVICE? ? OR GATEWAY? ? OR ROUTER? ? OR SWITCH? ? OR TERMINAL? ? OR SERVER? ?)
S4	11675	(EXIT OR TERMINAT??? OR EDGE OR BOUNDARY OR ENTRY OR ENTER- ??? OR ADMIT? OR ADMISSION OR ACCESS)(1W)(PC? ? OR COMPUTER? ? OR EQUIPMENT? ? OR BOX?? OR HARDWARE OR MACHINE)
S5	7371	S1(7N)S3:S4
S6	21809	(INCOMPLETE OR UNFINISHED OR PARTIAL OR BROKEN OR DESTROYED OR LOST OR DISABLED OR UNAVAILABLE OR FAILED OR INVALID OR F- ALSE OR EMPTY OR VACANT)(5N)(PATH? ? OR PATHWAY? ? OR CONDUIT? ? OR TRAIL? ? OR LINK? ? OR CHANNEL? ? OR TUNNEL? ? OR PASSA- GE? ?)
S7	5404	(INCOMPLETE OR UNFINISHED OR PARTIAL OR BROKEN OR DESTROYED OR LOST OR DISABLED OR UNAVAILABLE OR FAILED OR INVALID OR F- ALSE OR EMPTY OR VACANT)(5N)(PASSAGEWAY? ? OR ROUTE? ? OR COU- RSE? ?)
S8	217103	(TRAFFIC OR FLOW OR MESSAGE OR PACKET? ? OR FRAME? ? OR NE- TWORK)(5N)(CAPABILIT??? OR ABILIT??? OR SLA OR SERVICE()LEVEL- (()AGREEMENT? ? OR CAPACITY OR BANDWIDTH OR BAND()WIDTH OR CON- GESTION OR LATENCY OR RATE OR DATARATE OR SPEED)
S9	3	S2(100N)S5(100N)S6:S7(100N)S8
S10	107	S2(100N)S5(100N)S6:S8
S11	20	S2(100N)S5(100N)S6:S7
S12	20	S2(100N)S3:S4(100N)S6:S7(100N)S8
S13	37	S9 OR S11:S12
S14	24	S13 AND AC=US/PR AND AY=(1978:2002)/PR
S15	24	S13 AND AC=US AND AY=1978:2002
S16	24	S13 AND AC=US AND AY=(1978:2002)/PR
S17	29	S13 AND PY=1978:2002
S18	31	S14:S17
S19	31	IDPAT (sorted in duplicate/non-duplicate order)

19/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00742079

Wireless communication system and station for use therein

Drahtloses Kommunikationssystem und Station dafur

Systeme de communication sans fil et station a utiliser dans celui-ci

PATENT ASSIGNEE:

MOTOROLA, INC., (205770), 1303 East Algonquin Road, Schaumburg, IL 60196,
(US), (Proprietor designated states: all)

INVENTOR:

Burke, Timothy Mark, 7304 Bristlecone Ct., Ft. Worth, Texas 76137, (US)

LEGAL REPRESENTATIVE:

Hudson, Peter David et al (52403), Motorola, European Intellectual
Property, Midpoint, Alencon Link, Basingstoke, Hampshire RG21 7PL, (GB)

PATENT (CC, No, Kind, Date): EP 701336 A2 960313 (Basic)

EP 701336 A3 960828

EP 701336 B1 000809

APPLICATION (CC, No, Date): EP 95109503 830624;

PRIORITY (CC, No, Date): US 402687 820728

DESIGNATED STATES: DE; FR; GB; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 116064 (EP 83902479)

INTERNATIONAL PATENT CLASS (V7): H04B-007/26; H04L-029/06; H04Q-007/22

ABSTRACT WORD COUNT: 136

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS	B (English)	200032	518
CLAIMS	B (German)	200032	542
CLAIMS	B (French)	200032	627
SPEC	B (English)	200032	17589
Total word count - document A			0
Total word count - document B			19276
Total word count - documents A + B			19276

19/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01459641

Fast restoration mechanism and method of determining minimum restoration
capacity in a transmission network

Mechanismus und Verfahren zur Bestimmung und schnellen Wiederherstellung
einer minimalen Kapazitat in einem vermaschten Netz

Mechanisme et methode de determination et de restauration rapide de la
capacite minimum d'un reseau maille

PATENT ASSIGNEE:

ALCATEL, (201871), 54, rue la Boetie, 75008 Paris, (FR), (Proprietor
designated states: all)

INVENTOR:

Weis, Bernd X., Friederichstrasse 42, 70825 Korntal, (DE)

LEGAL REPRESENTATIVE:

Urlichs, Stefan, Dipl.-Phys. et al (92293), Alcatel Intellectual Property
Department, Stuttgart, 70430 Stuttgart, (DE)

PATENT (CC, No, Kind, Date): EP 1248421 A1 021009 (Basic)

EP 1248421 B1 040526

APPLICATION (CC, No, Date): EP 2002360088 020315;

PRIORITY (CC, No, Date): DE 10116835 010404; EP 2001440302 010914

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): H04L-012/56

NOTE:

Figure number on first page: 3
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200241	817
CLAIMS B	(English)	200422	972
CLAIMS B	(German)	200422	970
CLAIMS B	(French)	200422	1140
SPEC A	(English)	200241	5944
SPEC B	(English)	200422	6236
Total word count - document A			6762
Total word count - document B			9318
Total word count - documents A + B			16080

...SPECIFICATION minimum possible for any network with balanced link capacities.

Let p be the percentage of **capacity** for a network represented by $G = (V, A)$ needed to make it restorable and $d...$

...single link failure is performed according to the following algorithm:

Case 1: If the failed **link** is element of the Hamiltonian mesh re- **route** all **failed** traffic along the other **links** of the Hamiltonian mesh.

Case 2: If the failed **link** is not in the Hamiltonian mesh re- **route** half of the **failed** traffic clockwise through the reserved capacity of the Hamiltonian mesh **links** and the other half...

...what the signal carries. In the case of a failure, only the nodes terminating the **failed** **link** need to be reconfigured to receive the affected traffic from the ports corresponding to the...

...awaits traffic over the Hamiltonian mesh and knows therefore, that this traffic on the reserved **capacity** channel is destined for him. Hence, no additional signaling is required between any nodes to restore the network. As only the **terminating nodes** need to be reconfigured, restoration is very fast.

In spite of this, some transmission networks...

...concatenated VC-4 and non-concatenated VC-4 require different processing with respect to their **pointers**, it is mandatory that each input **interface** knows the signal structure it received. However, this reconfiguration can be done internally in the...

...SPECIFICATION 2:) reserving half of the capacity of each link of the Hamiltonian mesh as restoration **capacity**.

Obviously, the traffic in each arc of the Hamiltonian mesh can be restored. Further, all...

...single link failure is performed according to the following algorithm:
Case 1: If the failed **link** is element of the Hamiltonian mesh re- **route** all **failed** traffic along the other **links** of the Hamiltonian mesh.
Case 2: If the failed **link** is not in the Hamiltonian mesh re- **route** half of the **failed** traffic clockwise through the reserved capacity of the Hamiltonian mesh **links** and the other half...

...what the signal carries. In the case of a failure, only the nodes terminating the **failed** **link** need to be reconfigured to receive the affected traffic from the ports corresponding to the...

...awaits traffic over the Hamiltonian mesh and knows therefore, that this traffic on the reserved **capacity** channel is destined for him. Hence, no additional signaling is required between any nodes to restore the network. As only the **terminating nodes** need to be reconfigured,

restoration is very fast.

In spite of this, some transmission networks...

...concatenated VC-4 and non-concatenated VC-4 require different processing with respect to their **pointers**, it is mandatory that each input **interface** knows the signal structure it received. However, this reconfiguration can be done internally in the...

19/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

00741338

Connectionless communications system, test method, and intra-station control system

Verbindungsloses Kommunikationssystem, Testmethode und Intra-Station-Steuerungssystem

Systeme de communication sans connection, methode de test et systeme de gestion intra-station.

PATENT ASSIGNEE:

FUJITSU LIMITED, (211460), 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa 211, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Kobayasi, Yasusi, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Watanabe, Yoshihiro, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Nishida, Hiroshi, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Izawa, Naoyuki, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Murayama, Masami, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Abe, Jin, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Uchida, Yoshihiro, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Yamanaka, Hiromi, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Aso, Yasuhiro, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Tsuruta, Yoshihisa, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Kato, Yoshiharu, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Kakuma, Satoshi, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Uriu, Shiro, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Samejima, Noriko, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Ishioka, Eiji, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Sekine, Shigeru, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Karakawa, Yoshiyuki, Fujitsu Kyushu Communication, Systems Ltd., Yasudaseimeihakata Blg., 1-4-4,, Hakataekimae, Hakata-ku, Fukuoka, 812, (JP)

Kagawa, Atsushi, c/o Fujitsu Communication, Systems Ltd., 3-9-18, Shinyokohama, Kouhoku-ku, Yokohama-shi, Kanagawa, 222, (JP)

Nakayama, Mikio, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

Kawataka, Miyuki, Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211, (JP)

LEGAL REPRESENTATIVE:

Ritter und Edler von Fischern, Bernhard, Dipl.-Ing. et al (9672),
Hoffmann, Eitle & Partner, Patentanwalte, Arabellastrasse 4, D-81925
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 700229 A2 960306 (Basic)
EP 700229 A3 990203

APPLICATION (CC, No, Date): EP 95113111 950821;

PRIORITY (CC, No, Date): JP 94255120 940822

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04Q-011/04

ABSTRACT WORD COUNT: 170

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	8491
SPEC A	(English)	EPAB96	164543
Total word count - document A			173034
Total word count - document B			0
Total word count - documents A + B			173034

...SPECIFICATION 2.1 ATM Network for small host

Figure 4 shows the configuration of the typical **hardware** of the
broadband switching system according to the present embodiment. Figure 4
actually shows an...

19/3,K/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00480869

Integrated data link controller with synchronous link interface and
asynchronous host processor interface

Integrierte Datenertragungsstreckensteuerung mit synchroner
Leitungsschnittstelle und asynchroner Host-Prozessor-Schnittstelle

Dispositif integre de commande d'une voie de donnees avec interface
synchrone de liaison et interface asynchrone avec le processeur hote

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,
Armonk, N.Y. 10504, (US), (applicant designated states:
BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)

INVENTOR:

Farrell, Joseph Kevin, 4713 Tortoise Shell Drive, Boca Raton, Florida
33487, (US)

Gordon, Jeffrey Scott, 5107 Woodmere Drive, No. 203 Centreville, Virginia
22020, (US)

Jenness, Robert V., 1499 West Royal Palm Road, Boca Raton, Florida 33486,
(US)

Kuhl, Daniel C., 16416 Cherry Way, Delray Beach, Florida 33484, (US)

Lee, Timothy Vincent, 1798 S.W. 11th Street, Boca Raton, Florida 33486,
(US)

Parker, Tony Edwin, 1745 N.W. 4th Avenue. Unit No. 5, Boca Raton, Florida
33432-1545, (US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual
Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 447054 A2 910918 (Basic)

EP 447054 A3 951025

EP 447054 B1 990107

APPLICATION (CC, No, Date): EP 91301499 910225;

PRIORITY (CC, No, Date): US 495810 900315

DESIGNATED STATES: BE; CH; DE; ES; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS (V7): H04L-029/06;

ABSTRACT WORD COUNT: 233

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9901	4873
CLAIMS B	(German)	9901	4464
CLAIMS B	(French)	9901	6004
SPEC B	(English)	9901	66251
Total word count - document A			0
Total word count - document B			81592
Total word count - documents A + B			81592

19/3, K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS
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00363103

Communication system.

Kommunikationssystem.

Systeme de communication.

PATENT ASSIGNEE:

BRITISH TELECOMMUNICATIONS public limited company, (846100), 81 Newgate Street, London EC1A 7AJ, (GB), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Adams, John Leonard, 24 Keswick Close Felixstowe, Suffolk IP11 9NZ, (GB)

LEGAL REPRESENTATIVE:

Roberts, Simon Christopher et al (55342), BT Group Legal Services, Intellectual Property Department, 151 Gower Street, London, WC1E 6BA, (GB)

PATENT (CC, No, Kind, Date): EP 337619 A1 891018 (Basic)
EP 337619 B1 931013

APPLICATION (CC, No, Date): EP 89302818 890321;

PRIORITY (CC, No, Date): GB 8807050 880324

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS (V7): H04B-007/24; H04B-010/00;

ABSTRACT WORD COUNT: 114

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	3148
CLAIMS B	(German)	EPBBF1	1899
CLAIMS B	(French)	EPBBF1	2229
SPEC B	(English)	EPBBF1	5317
Total word count - document A			0
Total word count - document B			12593
Total word count - documents A + B			12593

...SPECIFICATION the round trip delay. Control block 52 connected to block 50 will control upstream access as well as downstream control.

The downstream buffer 54 handles received packets passed via ...the local exchange with information about active terminals.

Because the original telephony channel is occassionally unavailable through ranging operations for telephony-only customers, as shown in the example frame structure of Figures 2...

...bits indicating the sum of all packet arrivals in the last frame period.

The 70 bits are dispersed regularly throughout the frame such that any adjacent group of 32 bits on this channel carries 1 bit from each of the broadband customers. If an ATD cell arrives for upstream transmission...

...For the purpose of polling, the local exchange access controller 68

regards each customer's **access equipment** as two devices. At the customer's end these two 'devices' are the separate responses of the **access equipment** to two different ACCESS addresses which it will match with.

The first 'device' is the...

...for its queues.

Whenever a customer is polled on either 'device' it must return either a 'full' cell or 'empty' cell and repeat the value in the ACCESS field. For all **upstream** transmissions the transmitting source is identified at the local exchange through the setting of ACCESS...

...channel number via block 76 and 77 of Figure 7. This allows the customer's **access equipment** to check that the information is sent last time was correctly received. If there is...

19/3, K/10 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01105686 **Image available**

METHODS AND APPARATUS FOR USING A CARE OF ADDRESS OPTION
PROCEDES ET APPAREIL PERMETTANT D'UTILISER UNE OPTION D'ADRESSE TEMPORAIRE

Patent Applicant/Assignee:

FLARION TECHNOLOGIES INC, Bedminster One, 135 Route 202/206 South, Bedminster, NJ 07921, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

O'NEILL Alan, 184 Military Road, Henley Beach, South Australia 5022, AU, AU (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

STRAUB Michael P (agent), Straub & Pokotylo, 620 Tinton Avenue, Bldg. B, 2nd Floor, Tinton Falls, NJ 07724-3260, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200428053 A1 20040401 (WO 0428053)

Application: WO 2003US29490 20030917 (PCT/WO US03029490)

Priority Application: US 2002411722 20020918

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 18382

Fulltext Availability:

Detailed Description

Detailed Description

... 212 that includes unicast routing/forwarding table 213, multicast routing/forwarding table 214 and active **addressing** state for the valid prefixes at an **access router** and the **address** allocations (HoAs and CCoAs) made to or used by MNs 300, 301 at an access...

...the NM specific mobility policy in an access router 200C and a Home Agent 200A". **Access router** ingress filtering routine 222 polices the

source **addresses** used by MNs 300, 301 into the network of cell 148 via the ingress interface...

...use the source address of another MN 301 in the cell 148, nor a source **address** that is **invalid** at this **access router** 200C due to it not being under the routing prefixes configured at that router 200C...

...filtering routine 224, used by, e.g., router 20013, is similarly used to police source **addresses** but this time by comparing the incoming **interface** at which the packet arrived to the expected interface according to unicast and/or multicast...

...used in the various router types: home agent router node 200A'', general router 220B, and **access router** 200C to enhance source **address** checks and forwarding processes for the MN 300 so that CAO processes defined by this...

19/3, K/11 (Item 11 from file: 349)
 DIALOG(R)File 349:PCT FULLTEXT
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01015046 **Image available**

TANDEM CONNECTION MONITORING PARALLEL PROCESSING
TRAITEMENT EN PARALLELE DE CONTROLE DE CONNEXION EN TANDEM

Patent Applicant/Assignee:

NORTEL NETWORKS LTD, 2351 Boulevard Alfred-Nobel, St. Laurent, Quebec H4S 2A9, CA, CA (Residence), CA (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

BRISSETTE Patrice, 6 Contrefort, Apt. 2, Hull, Quebec J8Z 1Z7, CA, CA (Residence), CA (Nationality), (Designated only for: US)

Legal Representative:

GREER David J (et al) (agent), Ridout & Maybee LLP, One Queen Street East, Suite 2400, Toronto, Ontario M5C 3B1, CA,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200344995 A2-A3 20030530 (WO 0344995)

Application: WO 2002CA1736 20021115 (PCT/WO CA0201736)

Priority Application: US 2001987788 20011116

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
 EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
 LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
 SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 (EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4479

Fulltext Availability:

Claims

Claim

... monitoring trails includes trail trace identification information.

16 The method of claim 15 wherein the **trail** trace information is **broken** up for transmission over a number of successive **ftanies** and includes source **access point identifier** information identifying a source of the tandem **connector** monitoring information.

19/3, K/12 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00836177 **Image available**
APPARATUS, AND ASSOCIATED METHOD, FOR ROUTING PACKET DATA IN AN AD HOC
WIRELESS COMMUNICATION SYSTEM
APPAREIL, ET PROCEDE ASSOCIE, DESTINES A L'ACHEMINEMENT DE DONNEES PAR
PAQUETS DANS UN SYSTEME DE COMMUNICATIONS HERTZIENNES ADAPTE

Patent Applicant/Assignee:
NOKIA CORPORATION, Keilalahdentie 4, FIN-02150 Espoo, FI, FI (Residence),
FI (Nationality)
NOKIA INC, 6000 Connection Drive, Irving, TX 75039, US, US (Residence),
US (Nationality), (Designated only for: LC)

Inventor(s):

VAN VALKENBURG Sander, Kalevankatu 44 A12, FIN-00180 Helsinki, FI,
PALOMAR Marc Solsona, Teljantie 9 A 3, FIN-00350 Helsinki, FI,

Legal Representative:

KELLY Robert H (et al) (agent), Novakov Davis & Munck, P.C., 900 Three
Galleria Tower, 13155 Noel Road, Dallas, TX 75240, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200169869 A2-A3 20010920 (WO 0169869)

Application: WO 2001IB352 20010313 (PCT/WO IB0100352)

Priority Application: US 2000527786 20000317

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8315

Patent and Priority Information (Country, Number, Date):

Patent: ... 20010920

Fulltext Availability:

Detailed Description

Publication Year: 2001

Detailed Description

... 25 etc. The routing table 104 has the following entries.

Agent routing table @protocol, Local ID, Sequence
Number; Source Port Number, Destination Port
Number; Source Port Numbernew, Destination Port
Numbernewl = (4/6, 31 SNSiave 3; SourcePortslave 3,
DestPortslave...)

...same as that

indicated in the PicoIP packet. The source address is
a special IP address assigned to the access point,
e.g., the IP address of the interface that is
connected to the Internet 98. The agent then replaces
5 the source port...

...is available and present in the fixed Internet. if
so, the agent replies with an empty packet, pursuant
to normal route setup reply procedures, and adds the
entry to the PicoIP routing table. If the

determination...

19/3, K/17 (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00545451

**A METHOD FOR PROVIDING PRIVACY BY NETWORK ADDRESS TRANSLATION
PROCEDE POUR ASSURER LA CONFIDENTIALITE PAR TRANSPOSITION D'UNE ADRESSE
RESEAU**

Patent Applicant/Assignee:
AT & T CORP,

Inventor(s):

KALMANEK Charles Robert Jr,
MARSHALL William Todd,
MISHRA Partho Pratim,
NORTZ Douglas M,
RAMAKRISHNAN Kadangode K,
BELLOVIN Steven Michael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200008824 A1 20000217 (WO 0008824)
Application: WO 99US17591 19990804 (PCT/WO US9917591)
Priority Application: US 9895288 19980804; US 98104878 19981020

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP MX AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 39212

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000217

Fulltext Availability:

Detailed Description

Publication Year: 2000

Detailed Description

... time these exchanges may occupy.

7 1 GATEOPEN

The GATEOPEN message is sent by the **Edge Router** to its corresponding **Edge Router** at the other end of a connection on receipt...

...the COMMIT message.

7 1.1 GATEOPEN Acknowledgment

On receipt of a GATEOPEN message, the **Edge Router** responds with a GATEOPENACK. A sample message is.

GATEOPENACK 21T6572 v1.0;

7 1.2 GATEOPEN Error

If some error occurs in the processing of a GATEOPEN, the **Edge Router** responds with GATEOPENNAK. Such ...BTI in a SETUPNAK message.

7 2 GATECLOSE

The GATECLOSE message is sent by the **Edge Router** to its corresponding **Edge Router** at the other end of a connection on receipt of the RELEASE message from the BTI. The **Edge Router** releases any resources held by that gate, stops any 5 unsolicited grants offered on the...

...security code required.

7 2.1 GATECLOSE Acknowledgment

On receipt of a GATECLOSE message, the **Edge Router** responds with a GATECLOSEACK. A sample message is.

GATECLOSEACK 2IT6583 v1.0;
7 2.2....

...GATECLOSE message always results in a response of GATECLOSEACK. If the GATEID parameter specifies an **invalid** gate, the **Edge Router** assumes the gate has already been closed.

7.9 Gate Controller to Gate Controller
Messages...

19/3, K/18 (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00545448

A METHOD FOR EXCHANGING SIGNALING MESSAGES IN TWO PHASES
PROCEDE POUR ECHANGER DES MESSAGES DE SIGNALISATION EN DEUX PHASES

Patent Applicant/Assignee:

AT & T CORP,

Inventor(s):

KALMANEK Charles Robert Jr,
MARSHALL William Todd,
MISHRA Partho Pratim,
NORTZ Douglas M,
RAMAKRISHNAN Kadangode K,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200008821 A1 20000217 (WO 0008821)

Application: WO 99US17593 19990804 (PCT/WO US9917593)

Priority Application: US 9895288 19980804; US 98104878 19981020

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP MX AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 38739

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000217

Fulltext Availability:

Detailed Description

Publication Year: 2000

Detailed Description

... time these exchanges may occupy.

7 1 GATEOPEN

The GATEOPEN message is sent by the **Edge Router** to its corresponding **Edge Router** at the other end of a connection on receipt...

...the COMMIT message.

7 1.1 GATEOPEN Acknowledgment

On receipt of a GATEOPEN message, the **Edge Router** responds with a GATEOPENACK. A sample message is.

GATEOPENACK 2IT6572 v1.0;

7 1.2 GATEOPEN Error

If some error occurs in the processing of a GATEOPEN, the **Edge Router** responds with GATEOPENNAK. Such a situation can occur when the remote gate times out...

...BTI in a SETUPNAK message.

7 2 GATECLOSE

The GATECLOSE message is sent by the **Edge Router** to its corresponding **Edge Router** at the other end of a connection on receipt of the RELEASE message from the BTI. The **Edge Router** releases any resources held by that gate, stops any unsolicited grants offered on the upstream

...
...security code required.

7.2.1 GATECLOSE Acknowledgment

On receipt of a GATECLOSE message, the **Edge Router** responds with a GATECLOSEACK. A sample message is.

GATECLOSEACK 21T6583 v1.0;

7.2.2...

...GATECLOSE message always results in a response of GATECLOSEACK. If the GATEID parameter specifies an **invalid** gate, the **Edge Router** assumes the gate has already been closed.

7.9 Gate Controller to Gate Controller Messages...

19/3, K/19 (Item 19 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00545447

METHOD FOR ESTABLISHING CALL STATE INFORMATION
PROCEDE POUR ETABLIR LES INFORMATIONS D'ETAT CONCERNANT UN APPEL
Patent Applicant/Assignee:

AT & T CORP,

Inventor(s):

KALMANEK Charles Robert Jr,
MARSHALL William Todd,
MISHRA Partho Pratim,
NORTZ Douglas M,
RAMAKRISHNAN Kadangode K,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200008820 A1 20000217 (WO 0008820)
Application: WO 99US17592 19990804 (PCT/WO US9917592)
Priority Application: US 9895288 19980804; US 98104878 19981020

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP MX AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 40778

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000217

Fulltext Availability:

Detailed Description

Publication Year: 2000

Detailed Description

... time these exchanges may occupy.

7.1 GATEOPEN

The GATEOPEN message is sent by the **Edge Router** to its corresponding **Edge Router** at the other end of a connection on receipt a GATEOPEN message, the **Edge Router** responds with a GATEOPENACK. A sample message is.

GATEOPENACK 21 T6572 v1.0;

7.1.2 GATEOPEN Error

If some error occurs in the processing of a GATEOPEN, the **Edge Router** responds with GATEOPENNAK. Such a situation can occur when the remote gate times out and...

...BTI in a SETUPNAK message.

7.2 GATECLOSE

The GATECLOSE message is sent by the **Edge Router** to its corresponding **Edge Router** at the other end of a connection on receipt of the RELEASE message from the BTI. The **Edge Router** releases any resources held by that gate, stops any unsolicited grants offered on the upstream

...

...security code required.

7.2.1 GATECLOSE Acknowledgment

On receipt of a GATECLOSE message, the **Edge Router** responds with a GATECLOSEACK. A sample message is.

GATECLOSEACK 21 T65 83 v 1.0...

...GATECLOSE message always results in a response of GATECLOSEACK. If the GATEID parameter specifies an **invalid** gate, the **Edge Router** assumes the gate has already been closed.

7.9 Gate Controller to Gate Controller
Messages...

19/3, K/20 (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00545446

A METHOD FOR PERFORMING GATE COORDINATION ON A PER-CALL BASIS
PROCEDE POUR ASSURER UNE COORDINATION DES PORTES A L'APPEL

Patent Applicant/Assignee:

AT & T CORP,

Inventor(s):

KALMANEK Charles Robert Jr.,
MARSHALL William Todd,
MISHRA Partho Pratim,
NORTZ Douglas M,
RAMAKRISHNAN Kadangode K,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200008819 A1 20000217 (WO 0008819)

Application: WO 99US17590 19990804 (PCT/WO US9917590)

Priority Application: US 9895288 19980804; US 98104878 19981020

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP MX AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 37688

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000217

Fulltext Availability:

Detailed Description

Publication Year: 2000

Detailed Description

... time these exchanges may occupy

7.1 GATEOPEN

The GATEOPEN message is sent by the **Edge Router** to its corresponding **Edge Router** at the other end of a connection on receipt...in the COMMIT message.

1.1 GATEOPEN Acknowledgment

On receipt of a GATEOPEN message, the **Edge Router** responds with a GATEOPENACK. A sample message is.

GATEOPENACK 2IT6572 v1.0;

7 1.2 GATEOPEN Error

If some error occurs in the processing of a GATEOPEN, the **Edge Router** 25 responds with GATEOPENNAK. Such a situation can occur when the remote gate times out...

...to the BTI in a SETUPNAK message.

GATECLOSE

The GATECLOSE message is sent by the **Edge Router** to its corresponding **Edge Router** at the other end of a connection on receipt of the RELEASE message from the BTI. The **Edge Router** releases any resources held by that gate, stops any unsolicited grants offered on the upstream

...

...security code required.

7 2.1 GATECLOSE Acknowledgment

On receipt of a GATECLOSE message, the **Edge Router** responds with a GATECLOSEACK. A sample message is.

GATECLOSEACK 2IT6583 v1.0;

7 2.2...

...GATECLOSE message always results in a response of GATECLOSEACK. If the GATEID parameter specifies an **invalid** gate, the **Edge Router** assumes the gate has already been closed.

7.9 Gate Controller to Gate Controller
Messages...

19/3, K/21 (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00545439

A METHOD FOR ALLOCATING NETWORK RESOURCES
PROCEDE D'ATTRIBUTION DE RESSOURCES RESEAU

Patent Applicant/Assignee:

AT & T CORP,

Inventor(s):

KALMANEK Charles Robert Jr,
MARSHALL William Todd,
MISHRA Partho Pratim,
NORTZ Douglas M,
RAMAKRISHNAN Kadangode K,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200008812 A1 20000217 (WO 0008812)

Application: WO 99US17588 19990804 (PCT/WO US9917588)

Priority Application: US 9895288 19980804; US 98104878 19981020

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP MX AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 38856

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000217

Fulltext Availability:

Detailed Description

Publication Year: 2000

Detailed Description

... time these exchanges may occupy.

7 1 GATEOPEN

The GATEOPEN message is sent by the **Edge Router** to its corresponding Edge Router at the other end of a connection on receipt...

...the COMMIT message.

7 1.1 GATEOPEN Acknowledgment

On receipt of a GATEOPEN message, the **Edge Router** responds with a GATEOPENACK. A sample message is.

GATEOPENACK 2IT6572 v1.0;

7 1.2 GATEOPEN Error

If some error occurs in the processing of a GATEOPEN, the **Edge Router** responds with GATEOPENNAK. Such a situation can occur when the remote gate times out and...BTI in a SETUPNAK message.

7 2 GATECLOSE

The GATECLOSE message is sent by the **Edge Router** to its corresponding **Edge Router** at the other end of a connection on receipt of the RELEASE message from the BTI. The **Edge Router** releases any resources held by that gate, stops any unsolicited grants offered on the upstream

...

...security code required.

7 2.1 GATECLOSE Acknowledgment

On receipt of a GATECLOSE message, the **Edge Router** responds with a GATECLOSEACK. A sample message is.

GATECLOSEACK 2IT6583 v1.0;

7 2.2...

...GATECLOSE message always results in a response of GATECLOSEACK. If the GATEID parameter specifies an **invalid** gate, the **Edge Router** assumes the gate has already been closed.

7.9 Gate Controller to Gate Controller
Messages...

19/3, K/22 (Item 22 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00406196 **Image available**

**DIGITAL DATA PROCESSING METHODS AND APPARATUS FOR FAULT ISOLATION
PROCEDES ET DISPOSITIF DE TRAITEMENT DE DONNEES NUMERIQUES POUR L'ISOLATION
DE DEFATS**

Patent Applicant/Assignee:

STRATUS COMPUTER,

Inventor(s):

LEAVITT William I,
CLEMSON Conrad R,
SOMERS Jeffrey S,
CHAVES John M,
BARBERA David R,
CLAYTON Shawn A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9746941 A1 **19971211**

Application: WO 97US9781 19970605 (PCT/WO US9709781)

Priority Application: US 96658563 19960605

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 116410

Patent and Priority Information (Country, Number, Date):

Patent: ... 19971211

Fulltext Availability:

Detailed Description

Publication Year: 1997

Detailed Description

... Access - ASIC Parity Immediate parity gen. no error
Gen. Fault fault
I/O Single-side Access - ASIC PCI Data Immediate bad address no error
Path Fault
I/O Non-single-side Access, Different C- Immediate transmit error...
...on the Xbus.

Board Breaking and Information Latching

There are several status bits in the **Broken** Status register on each board to determine the reason a board went broken. These bits...

19/3,K/23 (Item 23 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00372604

ATM SWITCH WITH VC PRIORITY BUFFERS

COMMUTATEUR EN MODE ATM AVEC TAMPONS DE PRIORITE DE CONNEXION VIRTUELLE

Patent Applicant/Assignee:

GENERAL DATACOMM INC,

JONES Trevor,

Inventor(s):

JONES Trevor,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9713346 A1 19970410

Application: WO 96US15737 19961002 (PCT/WO US9615737)

Priority Application: GB 9520147 19951003

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA GB US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 4483

Patent and Priority Information (Country, Number, Date):

Patent: ... 19970410

Fulltext Availability:

Detailed Description

Publication Year: 1997

Detailed Description

... FIFO for the second switch fabric and then returns to start at 70. If the **path** is **broken** and no alternative **path** is available, the cell is discarded at 130. It will be appreciated that this testing...to deal with "blocked ports". According to this embodiment, another arbitration FIFO is created for **pointers** to VCs having blocked **ports**. The blocked **port** arbitration FIFO is then given the highest priority. Since the presence of a single blocked port

could, under this system, prevent all cells from being transmitted until a particular **port** becomes un-blocked, the **pointers** in the blocked **port** arbitration FIFO are preferably recycled each time a **pointer** encounters a blocked **port**. In other The cell buffering systems described above are suitably used to buffer cells entering...

...cells exiting the ATM switch when no traffic shaping is required, e.g. constant bit **rate** (CBR) **traffic**. Alternatively, the buffering system described above can be used in conjunction with the traffic shaping...

...owned application. Still alternatively, the buffering system described above can be employed where the cells **exit** the **switch** and modified to accomplish traffic shaping. Figure 6 shows a buffer system according to the...

File 275:Gale Group Computer DB(TM) 1983-2006/Apr 10
 (c) 2006 The Gale Group
 File 621:Gale Group New Prod.Annou.(R) 1985-2006/Apr 11
 (c) 2006 The Gale Group
 File 636:Gale Group Newsletter DB(TM) 1987-2006/Apr 10
 (c) 2006 The Gale Group
 File 16:Gale Group PROMT(R) 1990-2006/Apr 11
 (c) 2006 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 148:Gale Group Trade & Industry DB 1976-2006/Apr 11
 (c) 2006 The Gale Group
 File 624:McGraw-Hill Publications 1985-2006/Apr 11
 (c) 2006 McGraw-Hill Co. Inc
 File 15:ABI/Inform(R) 1971-2006/Apr 11
 (c) 2006 ProQuest Info&Learning
 File 647:CM Computer Fulltext 1988-2006/Apr W5
 (c) 2006 CMP Media, LLC
 File 674:Computer News Fulltext 1989-2006/Jan W1
 (c) 2006 IDG Communications
 File 696:DIALOG Telecom. Newsletters 1995-2006/Apr 10
 (c) 2006 Dialog
 File 369:New Scientist 1994-2006/Aug W4
 (c) 2006 Reed Business Information Ltd.

Set	Items	Description
S1	4537357	POINTER? ? OR ID? ? OR IDENTIFIER? ? OR IDENTIFICATION OR - ADDRESS??? OR LABEL? ? OR DESCRIPTOR? ? OR DESIGNATION? ? OR - DESIGNATOR? ?
S2	63269	S1(7N)(PORT? ? OR INTERFACE? ? OR SOCKET? ? OR ADAPTER? ? - OR ADAPTOR? ? OR CONNECTOR? ? OR PLUG? ? OR JACK? ?)
S3	259607	(EXIT OR TERMINAT??? OR EDGE OR BOUNDARY OR ENTRY OR ENTER- ??? OR ADMIT? OR ADMISSION OR ACCESS)(1W)(POINT? ? OR NODE? ? OR ELEMENT? ? OR UNIT? ? OR DEVICE? ? OR GATEWAY? ? OR ROUTER? ? OR SWITCH? ? OR TERMINAL? ? OR SERVER? ?)
S4	91384	(EXIT OR TERMINAT??? OR EDGE OR BOUNDARY OR ENTRY OR ENTER- ??? OR ADMIT? OR ADMISSION OR ACCESS)(1W)(PC? ? OR COMPUTER? ? OR EQUIPMENT? ? OR BOX?? OR HARDWARE OR MACHINE)
S5	6034	S1(7N)S3:S4
S6	26559	(INCOMPLETE OR UNFINISHED OR PARTIAL OR BROKEN OR DESTROYED OR LOST OR DISABLED OR UNAVAILABLE OR FAILED OR INVALID OR F- ALSE OR EMPTY OR VACANT)(5N)(PATH? ? OR PATHWAY? ? OR CONDUIT? ? OR TRAIL? ? OR LINK? ? OR CHANNEL? ? OR TUNNEL? ? OR PASSA- GE? ?)
S7	11102	(INCOMPLETE OR UNFINISHED OR PARTIAL OR BROKEN OR DESTROYED OR LOST OR DISABLED OR UNAVAILABLE OR FAILED OR INVALID OR F- ALSE OR EMPTY OR VACANT)(5N)(PASSAGEWAY? ? OR ROUTE? ? OR COU- RSE? ?)
S8	612032	(TRAFFIC OR FLOW OR MESSAGE OR PACKET? ? OR FRAME? ? OR NE- TWORK)(5N)(CAPABILIT??? OR ABILIT??? OR SLA OR SERVICE()LEVEL- (()AGREEMENT? ? OR CAPACITY OR BANDWIDTH OR BAND()WIDTH OR CON- GESTION OR LATENCY OR RATE OR DATARATE OR SPEED)
S9	3	S2(100N)S5(100N)S6:S7(100N)S8
S10	3	S2(100N)S5(100N)S6:S7
S11	44	S2(100N)S5(100N)S8
S12	6	S2(100N)S3:S4(100N)S6:S7(100N)S8
S13	7	S2(100N)S3:S4(100N)S6:S7
S14	355	S2(100N)S3:S4(100N)S8
S15	54	S9:S13
S16	33	RD (unique items)
S17	27	S16 NOT PY=2003:2006

17/3,K/1 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rts. reserv.

02639026 SUPPLIER NUMBER: 90787144 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Hacker Tools Can Benefit IT.(NetStumbler)

Louderback, Jim

eweek, NA

August 26, 2002

ISSN: 1530-6283 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 322 LINE COUNT: 00028

... tools they use can help you, too.

NetStumbler identifies and tracks information about any wireless access point it can see, including a MAC address, WEP status and a channel. Its graphical interface will track those over time, giving you an analysis of network capability.

Sure, NetStumbler is great for detecting and penetrating naked networks. And because it creates a...

17/3,K/2 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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02609114 SUPPLIER NUMBER: 87052549 (USE FORMAT 7 OR 9 FOR FULL TEXT)

ELITE SOLUTION SECURES WLANS -- SMC's well-rounded EliteConnect System came out on top in our tests. But its rivals can move quickly in a rapidly evolving wireless environment.

Robinson, Cornell W., III; Molta, Dave

Network Computing, 48

June 10, 2002

ISSN: 1046-4468 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 6233 LINE COUNT: 00513

... use NAT on all your clients. However, you can map NAT addresses to external IP addresses statically using the management interface. We found this feature helpful to support our access points, which, without IP addresses, would have been unreachable from the outside network.

ReefEdge offers two versions of its ConnectBridge...

...ConnectBridge 25 for support of a single access point only; the ConnectBridge 100 supports higher speed traffic. The ConnectBridge 25 is limited in capacity. We managed only 8 Mbps of throughput unencrypted...

17/3,K/3 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02550300 SUPPLIER NUMBER: 79546639 (USE FORMAT 7 OR 9 FOR FULL TEXT)

WAVEBASE: A GATEWAY TO WIRELESS HEAVEN -- Its broad feature set, solid performance and ability to enable multiple concurrent VPN sessions earned Nexland's SOHO wireless gateway our Editor's Choice award.(Hardware Review)(Evaluation)

Molta, Dave

Network Computing, 53

Oct 29, 2001

DOCUMENT TYPE: Evaluation ISSN: 1046-4468 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 5791 LINE COUNT: 00455

... VPN dialer software installed. We attempted to connect to the Cisco VPN gateway through the access point. Once one VPN tunnel was established, we would establish another tunnel with a second client behind

the **access point** to see if the device under test could handle multiple tunnels. If two worked, we would try a third. Most of the **access points** failed after the second **tunnel**, usually by terminating previously established VPN connections.

Security Log test: For our security log test, we ran port scans on the various **access points** and checked to see if the logs would report the scans. Hackers often use port...

...the LANguard Port Scanner on a Microsoft Windows 2000 Professional workstation and scanned the WAN **port IP addresses** of the various **access points**. We then searched the configuration Web pages for logs and looked to see if there...

17/3,K/4 (Item 4 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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02513325 SUPPLIER NUMBER: 75607936 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Latest wireless products.(Product Announcement)

Communications News, 38, 6, 58

June, 2001

DOCUMENT TYPE: Product Announcement ISSN: 0010-3632 LANGUAGE:

English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1418 LINE COUNT: 00122

... Fast Ethernet switch ports. The DI-713 firewall functions allow users to block and redirect **ports**, as well as mask local IP **addresses** --making targeting a specific machine more difficult for intruders. On a dynamic network connection, the D-Link **access point** will automatically obtain an IP **address** and forward additional IPs to multiple clients on the **network**. The **bandwidth** data-transmission **rate** can be set manually or for a dynamic autosensing configuration through a Web-based management

17/3,K/5 (Item 5 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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02490116 SUPPLIER NUMBER: 72606406 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Buyer's Guide: 100-Mbps Nics.(Buyers Guide)

Harvey, David A.

Network Computing, 104

April 2, 2001

DOCUMENT TYPE: Buyers Guide ISSN: 1046-4468 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 2044 LINE COUNT: 00163

... side, it's important to understand exactly how NICs fit into the design of your **network**.

On the server side, **bandwidth** and management requirements dominate. Bandwidth needs are addressed by both processor strength and the number...

...deliver only 100 Mbps. On a very heavily trafficked server, this may not allow optimal **access** to **server** resources. To **address** this problem, multiple- **port** server cards let you add several connections to a server without eating up precious expansion...

...minihubs or routers for smaller network installations. Because you can bind different protocols and network **addresses** to each **port**, multiple connections let you physically separate server-side traffic, creating multiple, separate subnets to access...

17/3,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02095361 SUPPLIER NUMBER: 19709003 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Foundry forges ahead. (Foundry Networks' NetIron and FastIron multilayer switches) (Hardware Review)(Evaluation)

Chowdhry, Pankaj
PC Week, v14, n36, p89(2)
August 25, 1997

DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 761 LINE COUNT: 00067

... preserve existing infrastructure. Both devices provide a good solution for disparate workgroups requiring high-speed **access** to **servers** across multiple subnets.

The immaturity of the Gigabit Ethernet market was apparent in our tests...

...interoperability problems between the Foundry switches and a Gigabit Ethernet Alteon Networks Inc. NIC. The **link** came up after we **disabled** the auto-negotiation feature on the NIC, but this situation illustrates the gambles taken when...

...and advanced IP filtering capabilities. NetIron can filter based on source address, source mask, destination **address**, destination mask, and TCP or UDP **port**. FastIron has similar capabilities but does not provide support for TCP and UDP (User Datagram...)

...inability to produce traps on the filtered events disappointing.

Foundry breaks new ground in its **ability** to prune multicast **traffic** at Gigabit Ethernet speeds. In our tests, the switches could limit the multicast of IGMP...

17/3,K/7 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rts. reserv.

01840268 SUPPLIER NUMBER: 17413633 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The range to roam. (DEC's RoamAbout wireless adapter) (includes related article on product summary) (Hardware Review)(Evaluation)

Fogle, Dave
LAN Magazine, v10, n7, p155(4)
July, 1995

DOCUMENT TYPE: Evaluation ISSN: 1069-5621 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3625 LINE COUNT: 00297

... checks it for consistency, then retransmits it to the other LAN segment. This can add **latency** time to packet transmission because the device waits for the entire packet to arrive. However...

...for Access Points. The first is the default Workgroup Bridge Mode, in which the Access **Point** learns **addresses** from both the wireless and wired Ethernet ports and forwards all packets with unknown **addresses**. In the alternative Full Bridge Mode, the Access **Point** learns **addresses** from the wireless side of the network only and will only forward packets to multicast...operates as a Data Link layer relay, making the Access **Point** transparent to network protocols. Access **Points** learn the network **addresses** of network nodes dynamically, using a technique called reverse learning to associate network node **addresses** and **port** numbers. Each Access **Point** can add new source **addresses** to its **address** database automatically. This allows automatic configuration of the network to occur independently of a protocol...

17/3,K/8 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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03299420 Supplier Number: 93685318 (USE FORMAT 7 FOR FULLTEXT)
D-Link Introduces All-In-One 22Mbps Wireless Router With Built-In Print Server, 4-Port Switch and Firewall Protection; - Built-in Print Server.
PR Newswire, pLATH05231102002
Oct 31, 2002
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1230

... 4) built-in 10/100 Mb Auto-Negotiation full duplex Fast Ethernet Switch ports increase **network** access **speed** for client computers.
D-Link's DI-714P+'s firewall provides a secure broadband connection to stop hackers in their tracks without sacrificing **speed**. The router's Stateful **Packet** Inspection feature examines each inbound packet and rejects data not requested by a client on...

...Address, IP Address and Domain Name. Once enabled, the DHCP server will automatically assign IP **addresses** to wireless clients, allowing other computers to **access** the **router** and Internet seamlessly. Virtual Private Network (VPN) pass through support is provided for multiple simultaneous...

...DI-714P+ employs the basic parental control features of URL blocking, Domain blocking and IP **address** blocking, accessed through the Web-based configuration **interface**. URL blocking allows blocking of Web sites whose domain names contain specific blocked words. Domain...

17/3,K/9 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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02867154 Supplier Number: 73590082 (USE FORMAT 7 FOR FULLTEXT)
IDT Announces Results for Fourth Fiscal Quarter and Record Fiscal Year 2001; Fourth Fiscal Quarter EPS \$0.51 on Sales of \$213 million.
Business Wire, p0631
April 24, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1531

...product combining CAM (content addressable memory) technology with specialized logic and a high-speed control **interface**. IDT is planning to launch a ...RC32332 integrated processors are used in xDSL gateways, SOHO routers, managed LAN switches and integrated **access devices** (IADs). IDT

has secured several significant design wins with these products and continues to see strong design...

...leadership position in multi-port products with the industry's fastest and highest-density dual- **ports** . IDT is shipping 9-Mbit Bank-Switchable dual- **ports** and 4-Mbit true dual-ports at speeds up to 166 MHZ. These products are...

...products greatly assist board designers in solving clock

distribution problems, especially in today's high- speed telecommunications,
networking and storage area **network**
markets. With the addition of these new
products, IDT now provides performance up to 200...

17/3,K/10 (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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02821396 Supplier Number: 70978358 (USE FORMAT 7 FOR FULLTEXT)
D-Link Slashes Pricing on Award Winning 11-Megabit IEEE 802.11b Wireless Networking Products.

PR Newswire, p6368
March 2, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1133

... point connection that creates an Infrastructure for the network or extends the reach of the **network** communications **capability**. The range of coverage per cell for indoor use is up to 100 meters and...

...speed wireless Internet access. When the DWL-1000AP is connected to a DHCP Server the **access point** will automatically obtain an IP **address** and hand out IP **address** to all wireless **adapters** within range. The DWL-1000AP bandwidth data transmission rate can be set manually at 11Mbps

...

17/3,K/11 (Item 4 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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01069070 Supplier Number: 40335908 (USE FORMAT 7 FOR FULLTEXT)
NEWBRIDGE INTRODUCES 4602 MAINSTREET NETWORK CONTROLLER TO SUPPORT EASIEST ROUTING, FASTEST RECONNECTIONS
News Release, p1
March 28, 1988
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 600

... 4602 MainStreet has complete control," said Newbridge president Peter Madsen, "from our smallest 2port Data **Termination Unit** to our 3645 MainStreet, the world's largest T-1 multiplexer. Every device is part...

...than smaller, distributed processors.

Call setup, for example, requires only the configuration of one end **port** and the **designation** of the other end point. The 4602 configures the second port and establishes the connection...
...to find and assign alternate routes.

"As a result, we expect to reconnect all the **channels** in a **failed T-1** in less than 10 seconds after the line is declared lost," reported Madsen...

17/3,K/12 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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04965625 Supplier Number: 73542604 (USE FORMAT 7 FOR FULLTEXT)
**Riverstone Networks Launches programmable hardware architecture for
evolving metro services; First products offer full MPLS implementation
over Gigabit Ethernet.**

M2 Presswire, pNA

April 23, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1044

... 8000, RS 8600, and RS 38000 router product family. The new modules support full MPLS **Label Edge Router** (LER) and **Label Switch Router** (LSR) functions with these features:

- * MPLS label generation and forwarding at wire speed
- * Up to 8,000 **Label** -Switched Paths (LSPs) per **port**
- * Multi-level **Label** stacking
- * Layer 2 tunneling
- * Full support for Resource Reservation Protocol-Traffic Engineering

...a leading developer of routers and switches that enable service providers throughout the metropolitan area **network** to turn raw **bandwidth** into profitable services. Leveraging fourth-generation custom silicon and Internet-hardened routing software, Riverstone products...

17/3,K/13 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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09163073 Supplier Number: 79901340 (USE FORMAT 7 FOR FULLTEXT)

10-Gbit Ethernet Switch Chip Set Serves Up Advanced QoS At Wire Speed. (Product Announcement)

BURSKY, DAVE

Electronic Design, v49, n23, p48

Nov 5, 2001

Language: English Record Type: Fulltext

Article Type: Product Announcement

Document Type: Magazine/Journal; Trade

Word Count: 1882

... weighted-cost path routing.

One key aspect of the Prestera packet processor is its advanced **traffic** management and **QoS capabilities**, which include eight priority queues with three drop precedences and WRED (Weighted Random Early Discard). The **traffic** scheduling and **bandwidth** management helps ensure that **packets** are delivered on time to their final destinations. Advanced traffic policing and application-aware QoS and filtering also are supported by the **packet** processors to enable **service - level agreements** (SLAs) and provide **network** security.

The Prestera 98MX620 and 98MX630 support MPLS for Virtual Private Networks (VPNs) and traffic engineering with four labels. They perform the function either as a **label** -edge router (LER) by sitting on the edge of the MPLS networks and add tags...

...switch traffic based on MPLS tags.

Supporting L4 traffic engineering too, the chips provide network **address** and **port** translation and can perform L4 switching and load balancing. The **packet** processors can perform wire- **speed** L2 switching. Up to 16k MAC addresses are supported, along with up to 8k virtual...

...rate filtering and port mirroring (802.1s-compliant).

To provide the storage necessary for the **packets**, external double-data- **rate** DRAMs are used. A 32-bit 66-MHz PCI interface provides a

connection to a...

17/3,K/14 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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08114150 Supplier Number: 66674053 (USE FORMAT 7 FOR FULLTEXT)
The right protocol.(Technology Information)
Ko, Denny; Woo, Edison
Telephony, pNA
Oct 30, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1679

... early implementations, MPLS involves the emergence of IP switching that uses label switching technology to **speed** up IP **packet** forwarding with small changes to existing routing protocols. The standardization of MPLS will not require...

...label-switched path can be engineered to avoid a busy router in a large city. **Label edge routers** insert and remove **Level 2 labels** as they enter and exit an MPLS backbone network, based upon IP header information - such...

...three label-switched paths, with each one supporting different levels or classes of services. Each **port** on an **label edge router** and **label switching router** may support many **label** -switched paths, with each **label**-switched path supporting one of the pre-assigned queues or...

...Internetworking Forum and the Internet Engineering Task Force) will be able to signal the optical **network** for additional **bandwidth** - that is, more wave-lengths - during periods of **congestion**.

An optical virtual private **network** (VPN) operates across multiple managed wavelengths as a network that can be dynamically configured and...

17/3,K/15 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05484518 Supplier Number: 48310169 (USE FORMAT 7 FOR FULLTEXT)
Xedia's Access Point 100 brings IP bandwidth issues under control
Piscitello, David M.
InfoWorld, p58D
Feb 23, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 760

... apply controls at their network "edge" to regulate IP traffic, much the way committed information **rate** is used by **frame** -relay providers, to manage backbone **capacity** . Moreover, as ISPs attract subscribers from private-line enterprise networking to virtual networking services over...

...technology provides traffic shaping and control at the IP layer, through policies configured into the **Access Point** itself. Traffic is classified by IP **address** , protocol, and **port** . Hierarchical CBQ traffic classes or "flows" represent an aggregation of traffic or a single connection. You allocate **bandwidth** and assign priorities to a **traffic** class, and the CBQ processing at the Access Point shapes traffic over the outbound port...
...PCs connected to an Ethernet switch on the "send" LAN transmitted User Datagram Protocol (UDP) **traffic** at a sustained **rate** of 2Mbps through the Access Point 100 bridge to PCs on a shared-medium Ethernet...

...were measured as effective throughput by receiving PCs, in the absence of end-to-end **flow control**.

Throttling bandwidth

To demonstrate how Xedia's Access Point could be used to regulate or throttle **bandwidth**, I created a **traffic** class for UDP traffic, set the maximum throughput to 4Mbps, and attempted to push an...

17/3,K/16 (Item 4 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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05198259 Supplier Number: 47931314 (USE FORMAT 7 FOR FULLTEXT)

Foundry Forges Ahead

Chowdhry, Pankaj

PC Week, p089

August 25, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Tabloid; General Trade

Word Count: 722

... preserve existing infrastructure. Both devices provide a good solution for disparate workgroups requiring high-speed **access** to **servers** across multiple subnets.

The immaturity of the Gigabit Ethernet market was apparent in our tests...

...interoperability problems between the Foundry switches and a Gigabit Ethernet Alteon Networks Inc. NIC. The **link** came up after we **disabled** the auto-negotiation feature on the NIC, but this situation illustrates the gambles taken when...

...and advanced IP filtering capabilities. NetIron can filter based on source address, source mask, destination **address**, destination mask, and TCP or UDP **port**. FastIron has similar capabilities but does not provide support for TCP and UDP (User Datagram...)

...inability to produce traps on the filtered events disappointing.

Foundry breaks new ground in its **ability** to prune multicast **traffic** at Gigabit Ethernet speeds. In our tests, the switches could limit the multicast of IGMP...

17/3,K/17 (Item 5 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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01249564 Supplier Number: 41449993 (USE FORMAT 7 FOR FULLTEXT)

Ascend ISDN Links To Debut: Start-Up Designs Access And Management System For Bandwidth-Intensive Data Applications

Computer Systems News, p32

July 23, 1990

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 522

... digital network.

Ascend's ISDN access and management system is designed to make the public **network** available to organizations with **bandwidth**-intensive data applications that would otherwise require expensive, dedicated private network facilities. Such applications include...

...to implement and painstaking to manage, the officials said.

"There are 25 manufacturers of terminal **adapters**, but nobody is

addressing host or LAN access equipment , " said Robert Ryan, president and chief executive of Ascend.

Added Jay Duncanson, founder and ISDN...

17/3,K/18 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

10169202 SUPPLIER NUMBER: 20334347 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Xedia's Access Point 100 brings IP bandwidth issues under control.

(bridge/router) (Hardware Review)(Evaluation)
Piscitello, David M.

Infoworld, v20, n8, p58D(1)

Feb 23, 1998

DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 817 LINE COUNT: 00071

... apply controls at their network "edge" to regulate IP traffic, much the way committed information **rate** is used by **frame** -relay providers, to manage backbone **capacity**. Moreover, as ISPs attract subscribers from private-line enterprise networking to virtual networking services over...

...technology provides traffic shaping and control at the IP layer, through policies configured into the **Access Point** itself. Traffic is classified by IP **address**, protocol, and **port**. Hierarchical CBQ traffic classes or "flows" represent an aggregation of traffic or a single connection. You allocate **bandwidth** and assign priorities to a **traffic** class, and the CBQ processing at the Access Point shapes traffic over the outbound port...
...PCs connected to an Ethernet switch on the "send" LAN transmitted User Datagram Protocol (UDP) **traffic** at a sustained **rate** of 2Mbps through the Access Point 100 bridge to PCs on a shared-medium Ethernet...

...were measured as effective throughput by receiving PCs, in the absence of end-to-end **flow** control.

Throttling **bandwidth**

To demonstrate how Xedia's Access Point could be used to regulate or throttle **bandwidth**, I created a **traffic** class for UDP traffic, set the maximum throughput to 4Mbps, and attempted to push an...

17/3,K/19 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

08000618 SUPPLIER NUMBER: 17127600 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Xplex announces FocalPoint, the networking market's first suite of graphical configurators for unsurpassed set-up ease.

Business Wire, p6261065

June 26, 1995

LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 749 LINE COUNT: 00075

... as V.35 or RS-232;
o Basic Set-up assigns a configuration password and **enters** the **router**'s IP **addresses** and system names;
o Serial Link Set-up selects the WAN link **speed**, the link protocol, such as **Frame** Relay or X.25, as well as link names, poll timers, and call answering choices...

...arrangement, including selecting the carrier ISDN switch type, enabling ISDN channels, and entering Service Provider **Identifiers** (SPID) and local numbers;

o **Interface** Configuration configures bridging and routing protocols

and related link association as well as the assignment...

17/3,K/20 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2006 ProQuest Info&Learning. All rts. reserv.

02085302 63377176
The right protocol
Ko, Denny; Woo, Edison
Telephony v239n18 PP: 84-88 Oct 30, 2000
ISSN: 0040-2656 JRNL CODE: TPH
WORD COUNT: 1592

...TEXT: early implementations, MPLS involves the emergence of IP switching that uses label switching technology to **speed** up IP **packet** forwarding with small changes to existing routing protocols. The standardization of MPLS will not require...

...label-switched path can be engineered to avoid a busy router in a large city. **Label edge routers** insert and remove Level 2 **labels** as they enter and exit an MPLS backbone network, based upon IP header information-such...

...shows three labelswitched paths, with each one supporting different levels or classes of services. Each **port** on an **label edge router** and **label** switching router may support many **label**-switched paths, with each label-switched path supporting one of the pre-assigned queues or... Internetworking Forum and the Internet Engineering Task Force) will be able to signal the optical **network** for additional **bandwidth** -that is, more wavelengths-during periods of **congestion** .

An optical virtual private **network** (VPN) operates across multiple managed wavelengths as a network that can be dynamically configured and...

17/3,K/21 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01532643 01-83631
Vendors announce products for bandwidth management
Fitzloff, Emily
InfoWorld v19n45 PP: 62 Nov 10, 1997
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 289

...ABSTRACT: products, including: 1. Packeteer Inc.'s PacketShaper 1000, which uses TCP rate control to allocate **bandwidth** to inbound and outbound **traffic** that is classified by URL, applications, protocol, TCP **port** , or IP **address** , 2. Xedia Corp.'s **Access Point** 10, which extends its class-based queuing system to include URL traffic classes, and 3...

17/3,K/22 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00901986 95-51378
Wellfleet-Racal, Microcom focus on remote access
MacAskill, Skip
Network World v11n33 PP: 8 Aug 15, 1994
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 407

...TEXT: two-, four-and eight-port models previously available.

A new feature automatically assigns an IP **address** to each server **port** and, temporarily, to the user dialing in to that port. After the connection is **terminated**, the **server** automatically assigns the **address** to the next dial-in customer.

Other features include a new five-minute install utility...

17/3, K/23 (Item 1 from file: 647)
DIALOG(R)File 647: CMP Computer Fulltext
(c) 2006 CMP Media, LLC. All rts. reserv.

01252629 CMP ACCESSION NUMBER: NWC20020610S0019
ELITE SOLUTION SECURES WLANS - SMC's well-rounded EliteConnect System came out on top in our tests. But its rivals can move quickly in a rapidly evolving wireless environment.
Cornell W. Robinson III and Dave Molta
NETWORK COMPUTING, 2002, n 1312, PG48
PUBLICATION DATE: 020610
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: COVER STORY
WORD COUNT: 5766

... use NAT on all your clients. However, you can map NAT addresses to external IP **addresses** statically using the management **interface**. We found this feature helpful to support our **access points**, which, without IP **addresses**, would have been unreachable from the outside network.

ReefEdge offers two versions of its ConnectBridge...

...ConnectBridge 25 for support of a single access point only ; the ConnectBridge 100 supports higher **speed traffic**. The ConnectBridge 25 is limited in capacity. We managed only 8 Mbps of throughput unencrypted
...

17/3, K/24 (Item 2 from file: 647)
DIALOG(R)File 647: CMP Computer Fulltext
(c) 2006 CMP Media, LLC. All rts. reserv.

01244928 CMP ACCESSION NUMBER: NWC20011029S0020
WAVEBASE: A GATEWAY TO WIRELESS HEAVEN - Its broad feature set, solid performance and ability to enable multiple concurrent VPN sessions earned Nexland's SOHO wireless gateway our Editor's Choice award.
Dave Molta
NETWORK COMPUTING, 2001, n 1222, PG53
PUBLICATION DATE: 011029
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Cover Story - REVIEW
WORD COUNT: 5402

... VPN dialer software installed. We attempted to connect to the Cisco VPN gateway through the **access point**. Once one VPN tunnel was established, we would establish another tunnel with a second client behind the **access point** to see if the device under test could handle multiple tunnels. If two worked, we would try a third. Most of the **access points** failed after the second **tunnel**, usually by terminating previously established VPN connections.

Security Log test: For our security log test, we ran port scans on

the various **access points** and checked to see if the logs would report the scans. Hackers often use port...

...the LANGuard Port Scanner on a Microsoft Windows 2000 Professional workstation and scanned the WAN **port IP addresses** of the various **access points**. We then searched the configuration Web pages for logs and looked to see if there...

17/3, K/25 (Item 3 from file: 647)
DIALOG(R)File 647: CMP Computer Fulltext
(c) 2006 CMP Media, LLC. All rts. reserv.

01234479 CMP ACCESSION NUMBER: NWC20010402S0021

Buyer's Guide: 100-Mbps Nics

David A. Harvey

NETWORK COMPUTING, 2001, n 1207, PG104

PUBLICATION DATE: 010402

JOURNAL CODE: NWC LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: WORKSHOP - Infrastructure

WORD COUNT: 1873

... side, it's important to understand exactly how NICs fit into the design of your **network**.

On the server side, **bandwidth** and management requirements dominate. Bandwidth needs are addressed by both processor strength and the number...

...deliver only 100 Mbps. On a very heavily trafficked server, this may not allow optimal **access** to **server** resources. To **address** this problem, **multiple- port** server cards let you add several connections to a server without eating up precious expansion...

...minihubs or routers for smaller network installations. Because you can bind different protocols and network **addresses** to each **port**, multiple connections let you physically separate server-side traffic, creating multiple, separate subnets to access...

17/3, K/26 (Item 4 from file: 647)
DIALOG(R)File 647: CMP Computer Fulltext
(c) 2006 CMP Media, LLC. All rts. reserv.

00582675 CMP ACCESSION NUMBER: CSN19900723S5227

Ascend ISDN Links To Debut-Start-Up Designs Access And Management System For Bandwidth-Intensive Data Applications

Jim Duffy

COMPUTER SYSTEMS NEWS, 1990, n 476, 32

PUBLICATION DATE: 900723

JOURNAL CODE: CSN LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 533

... to implement and painstaking to manage, the officials said.

"There are 25 manufacturers of terminal **adapters**, but nobody is **addressing** host or LAN **access equipment**," said Robert Ryan, president and chief executive of Ascend.

Added Jay Duncanson, founder and ISDN...

17/3, K/27 (Item 1 from file: 674)
DIALOG(R)File 674: Computer News Fulltext
(c) 2006 IDG Communications. All rts. reserv.

103651

Buyer's Guide How we did it

Byline: Joel Snyder

Journal: Network World Page Number: 51

Publication Date: October 28, 2002

Word Count: 317 Line Count: 32

Text:

... ISP environment, we used 128K bit/sec ISDN lines with Lucent Pipelines as our ISDN **access devices**. The Pipelines handed out "private" (RFC 1918) **addresses** and performed a Network **Address** and **Port** Translation (NAPT) function on all traffic. Inside of one Pipeline devices, we set up the...

... 10,000 simultaneous VPN users. We compared deployment and management functions, as well as the **ability** of the **network** to grow to support large user populations. We also looked at flexibility, to evaluate how...

File 8:EI Compendex(R) 1970-2006/Apr W1
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Set	Items	Description
S1	2237734	POINTER? ? OR ID? ? OR IDENTIFIER? ? OR IDENTIFICATION OR - ADDRESS??? OR LABEL? ? OR DESCRIPTOR? ? OR DESIGNATION? ? OR - DESIGNATOR? ?
S2	11770	S1(7N)(PORT? ? OR INTERFACE? ? OR SOCKET? ? OR ADAPTER? ? - OR ADAPTOR? ? OR CONNECTOR? ? OR PLUG? ? OR JACK? ?)
S3	96004	(EXIT OR TERMINAT??? OR EDGE OR BOUNDARY OR ENTRY OR ENTER- ??? OR ADMIT? OR ADMISSION OR ACCESS)(1W)(POINT? ? OR NODE? ? OR ELEMENT? ? OR UNIT? ? OR DEVICE? ? OR GATEWAY? ? OR ROUTER? ? OR SWITCH? ? OR TERMINAL? ? OR SERVER? ?)
S4	15093	(EXIT OR TERMINAT??? OR EDGE OR BOUNDARY OR ENTRY OR ENTER- ??? OR ADMIT? OR ADMISSION OR ACCESS)(1W)(PC? ? OR COMPUTER? ? OR EQUIPMENT? ? OR BOX?? OR HARDWARE OR MACHINE)
S5	1098	S1(7N)S3:S4
S6	18584	(INCOMPLETE OR UNFINISHED OR PARTIAL OR BROKEN OR DESTROYED OR LOST OR DISABLED OR UNAVAILABLE OR FAILED OR INVALID OR F- ALSE OR EMPTY OR VACANT)(5N)(PATH? ? OR PATHWAY? ? OR CONDUIT? ? OR TRAIL? ? OR LINK? ? OR CHANNEL? ? OR TUNNEL? ? OR PASSA- GE? ?)
S7	3790	(INCOMPLETE OR UNFINISHED OR PARTIAL OR BROKEN OR DESTROYED OR LOST OR DISABLED OR UNAVAILABLE OR FAILED OR INVALID OR F- ALSE OR EMPTY OR VACANT)(5N)(PASSAGEWAY? ? OR ROUTE? ? OR COU- RSE? ?)
S8	439921	(TRAFFIC OR FLOW OR MESSAGE OR PACKET? ? OR FRAME? ? OR NE- TWORK)(5N)(CAPABILIT??? OR ABILIT??? OR SLA OR SERVICE()LEVEL- (()AGREEMENT? ? OR CAPACITY OR BANDWIDTH OR BAND()WIDTH OR CON- GESTION OR LATENCY OR RATE OR DATARATE OR SPEED)
S9	0	S2 AND S5 AND S6:S7 AND S8
S10	0	S2 AND S5 AND S6:S7
S11	2	S2 AND S5 AND S8
S12	0	S2 AND S3:S4 AND S6:S7 AND S8
S13	0	S2 AND S3:S4 AND S6:S7
S14	3	S2 AND S3:S4 AND S8
S15	3	S11 OR S14

15/5/1 (Item 1 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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07649792 E.I. No: EIP05409404358

Title: Compact neighbor discovery (A bandwidth defense through bandwidth optimization)

Author: Mutaf, Pars; Castelluccia, Claude
Conference Title: IEEE INFOCOM 2005
Conference Location: Miami, FL, United States Conference Date:
20050313-20050317

Sponsor: IBM; excellence Next, eNext; NSF
E.I. Conference No.: 65679
Source: Proceedings - IEEE INFOCOM Proceedings - IEEE INFOCOM 2005. The Conference on Computer Communications - 24th Annual Joint Conference of the IEEE Computer and Communications Societies v 4 2005. (IEEE cat n CH37645)

Publication Year: 2005
CODEN: PINFEZ ISSN: 0743-166X

Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)
Journal Announcement: 0510W3

Abstract: We present a stateless defense against the Neighbor Discovery Denial-of-Service (ND-DoS) attack in IPv6. The ND-DoS attack consists of remotely flooding a target subnet with bogus packets destined for random **interface identifiers**; a different one for each malicious packet. The 128-bit IPv6 address reserves its 64 low-order bits for the **interface ID**. Consequently, the malicious packets are very likely to fall on previously unresolved **addresses** and the target **access router** (or leaf router) is obligated to resolve these addresses by sending neighbor solicitation packets. Neighbor solicitation packets are link layer multicast (or broadcast), and hence also forwarded by bridges. As a consequence, the attack may consume important bandwidth in subnets with wireless bridges, or **access points**. This problem is particularly important in the presence of mobile IPv6 devices that expect incoming sessions from the Internet. In this case, **address resolution** is crucial for the **access router** to reliably deliver incoming sessions to idle mobile devices with unknown MAC addresses. We propose a novel neighbor solicitation technique using Bloom filters. Multiple IPv6 addresses (bogus or real) that are waiting in the **access router's address** resolution queue are compactly represented using a Bloom filter. By broadcasting a single neighbor solicitation message that carries the Bloom filter, multiple IPv6 addresses are concurrently solicited. Legitimate neighbor solicitation triggering packets are not denied service. An on-link host, can detect its address in the received Bloom filter and return its MAC **address** to the **access router**. A bandwidth gain around 40 can be achieved in all cells of the target subnet. This approach that we call Compact Neighbor Discovery (CND) is the first bandwidth DoS defense that we are aware of to employ a bandwidth optimization. copy 2005 IEEE. 17

Refs.

Descriptors: *Bandwidth ; Packet networks ; Security of data; Routers; Mobile telecommunication systems; Broadcasting; Optimization

Identifiers: Neighbor discovery denial-of-service (ND-DoS); Interface identifiers; Link layer multicast; Wireless bridges

Classification Codes:

716.1 (Information & Communication Theory); 723.2 (Data Processing);
716.3 (Radio Systems & Equipment); 921.5 (Optimization Techniques)

716 (Electronic Equipment, Radar, Radio & Television); 723 (Computer Software, Data Handling & Applications); 921 (Applied Mathematics)

71 (ELECTRONICS & COMMUNICATION ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

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03454447 E.I. Monthly No: EI9207085703
Title: Applying the frame relay interface to private networks.
Author: Cavanagh, James P.
Corporate Source: StrataCom
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CODEN: ICOMD9 ISSN: 0163-6804
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Journal Announcement: 9207
Abstract: Frame relay is a standardized interface that provides multiplexed access to bandwidth-on-demand backbone networks and delivers LAN-like performance over a wide area. It is shown that use of frame relay can benefit private networks. The multiplexed physical interface reduces the number of ports required on expensive bridge, router, and controller equipment, as well as the number of expensive communications facilities required to interconnect the bridges, routers, and controllers. Frame relay's data link connection identifier (DLCI) addressing allows a single frame-relay access device to communicate as if directly attached to nearly 1000 other access devices. The bandwidth-on-demand characteristics gives end systems and intermediate systems the appearance of having far more bandwidth available than they physically have dedicated, and the optional local management interface (LMI) extensions simplify the configuration and management of frame-relay-based networks. Most important is that the application of frame relay interfaces reduces the latency of private networks. 12 Refs.
Descriptors: *COMPUTER NETWORKS--*Wide Area Networks; COMPUTER INTERFACES ; MULTIPLEXING; DATA TRANSMISSION--Packet Switching
Identifiers: FRAME RELAY INTERFACES ; PRIVATE NETWORKS; BACKBONE NETWORKS; DATA LINK CONNECTION IDENTIFIER ; LOCAL MANAGEMENT INTERFACE ; FAST PACKET BACKBONE
Classification Codes:
723 (Computer Software); 722 (Computer Hardware); 718 (Telephone & Line Communications)
72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS)

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FPAC: Fast, fixed-cost authentication for access to reserved resources IEEE Infocom 2002 : New York NY, 23-27 June 2002
CALVERT Kenneth L; VENKATRAMAN Srinivasan; GRIFFIOEN James N
Laboratory for Advanced Networking, University of Kentucky, Lexington, Kentucky, United States
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Country of Publication: United States
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Enhanced network services often involve allocating resources (bandwidth /buffer space) preferentially to packets belonging to certain flows or traffic classes. Such services are vulnerable to denial-of-service attacks if packet classification is based on information that can be forged, such as source and destination addresses and port numbers. Traditional message authentication codes (MACs), often considered the only solution to this problem, are really not designed to solve it. In

particular, their per-packet costs are so high that they enable another form of denial-of-service attack based on overwhelming the verification mechanism. We describe the problem of denial of access to reserved resources and the inadequacies of conventional solutions. We then observe that it is reasonable to trade some of the strong security guarantees provided by conventional MACs for a lower per-packet cost. We propose a new packet authentication algorithm, designed to solve the problem of protecting reserved resources, with a very low, fixed per-packet cost. While it cannot replace conventional MACs for end-to-end authentication, we argue that it is a better solution for the problem considered here. We present measurements from a prototype implementation that can verify a packet of arbitrary size in as few as 1000 machine cycles on an Intel architecture machine.

English Descriptors: Message authentication; Computer network; Telecommunication services; Network service; Resource allocation; Buffer system; Traffic flow; Denial of service; Automatic classification; **Access** control; **Computer** security; Algorithm; Prototype; Implementation; Signal classification; Computer attack

French Descriptors: Authentification message; Reseau ordinateur; Service telecommunication; Service reseau; Allocation ressource; Systeme tampon; Ecoulement trafic; Deni service; Classification automatique; Controle acces; Securite informatique; Algorithme; Prototype; Implementation; Classification signal; Attaque informatique